



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

105 MHz LC Bandpass Filter

Part Number: AE105B5047



Electrical Specifications

Center Frequency: 105 MHz

3-dB Bandwidth: ≥ 16 MHz

Insertion Loss: < 3 dB

Return Loss: > 14 dB

Impedance: 50 Ohms

Mechanical

Connector Type: Surface-Mount

Dimensions: 1.25" x 0.5" x 0.4" in.

Environmental

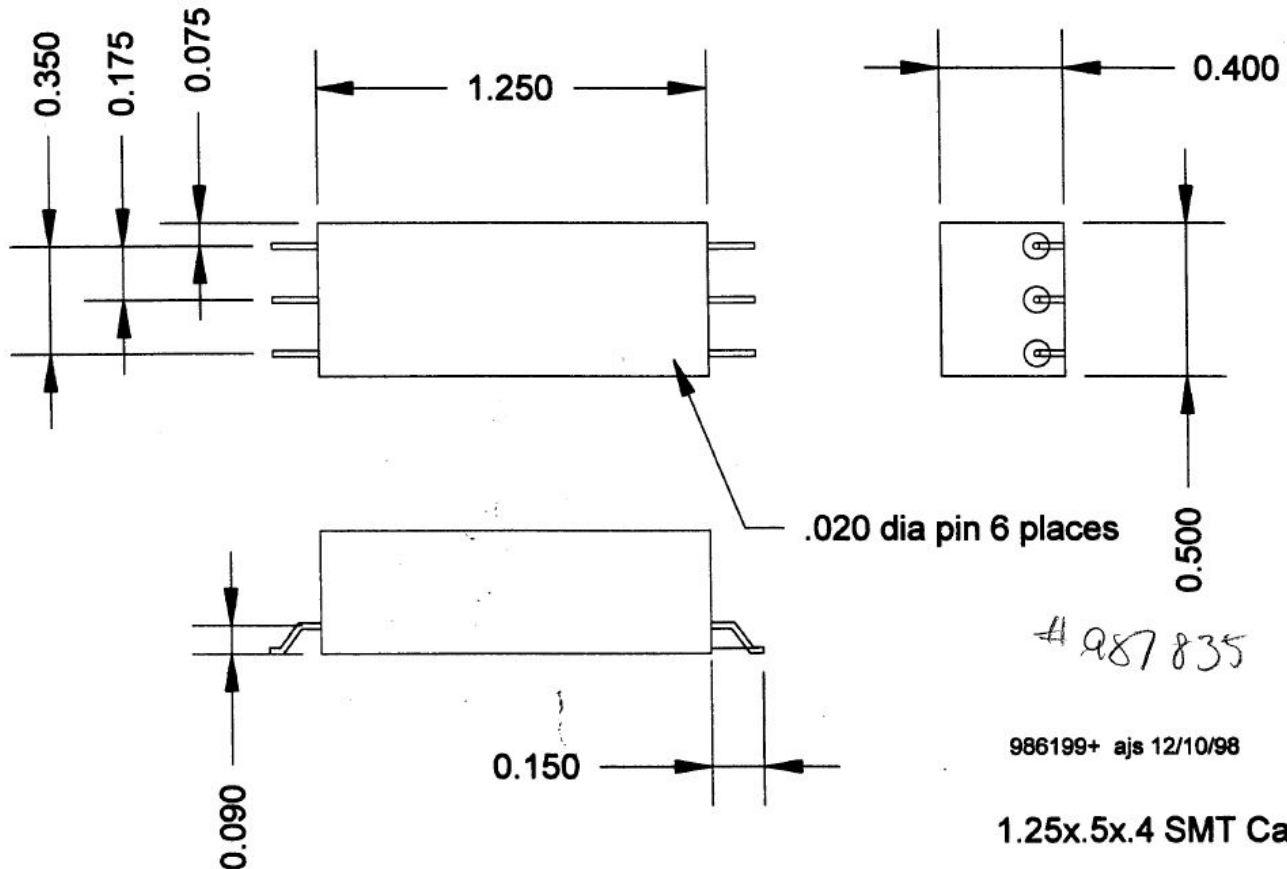
Operating Temperature: -25°C to $+70^{\circ}\text{C}$

Storage Temperature: -40°C to $+90^{\circ}\text{C}$

Shock: 10 G. 11ms

Vibration: 10 G. 5 to 200Hz

Outline Drawing:



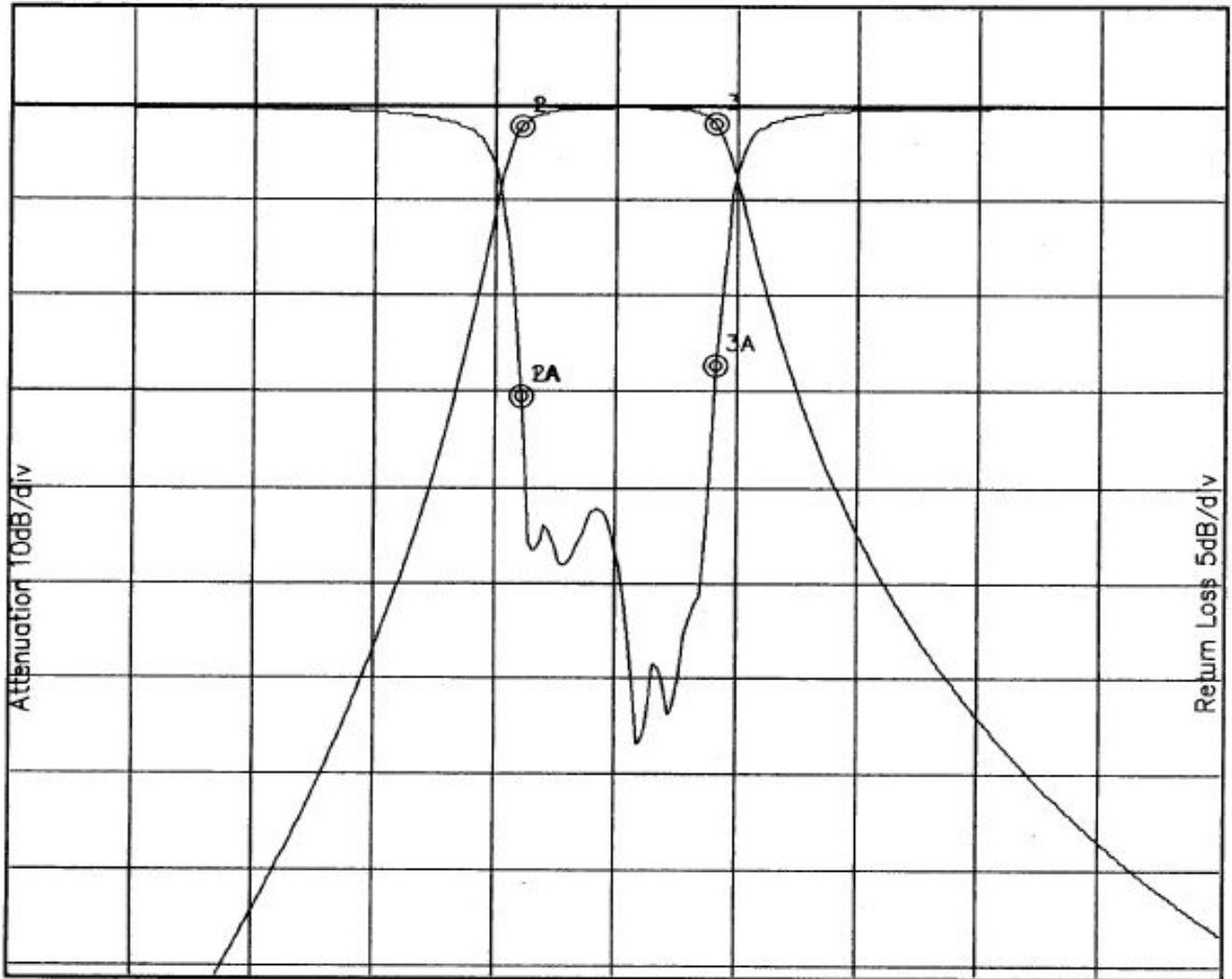


Response Plot:

B5047.lad

JUN 15, 1999

Attenuation/Return Loss



Attenuation Start: 55.0MHz Stop: 155.0MHz

Return Loss Start: 55.0MHz Stop: 155.0MHz

Offset -2.1739dB

Marker 1 Freq 97.003MHz Atten -2.256dB

Marker 1A Freq 97.003MHz Ret Loss -15.225dB

Marker 2 Freq 97.003MHz Atten -2.256dB

Marker 2A Freq 97.003MHz Ret Loss -15.225dB

Marker 3 Freq 113.15MHz Atten -2.016dB

Marker 3A Freq 113.15MHz Ret Loss -13.619dB